

WHAT IS CLAIMED IS:

1. A process for the purification of an inorganic salt containing an organic material which comprises granulating or chemically treating a powdered inorganic salt containing an organic material, and then subjecting the material to heat treatment.
2. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the density of said granulated powder of inorganic salt containing an organic material is not lower than 70% of the true density of inorganic salt in said inorganic salt containing an organic material.
3. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the average equivalent sphere diameter of said granulated powder of inorganic salt containing an organic material is from 1 to 100 mm.
4. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the crushing strength of said granulated powder of inorganic salt containing an organic material is not lower than 5 kg.
5. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the heat treatment temperature is not lower than 400°C.
6. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the heat treatment temperature is not higher than the melting

2025 RELEASE UNDER E.O. 14176

G E G E N H A U E R - D E M E R I L

point of the inorganic salt in said inorganic salt containing an organic material.

7. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the heat treatment involves the use of a rotary kiln.

8. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the heat treatment is effected on a moving bed (shaft kiln).

9. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the inorganic salt in said inorganic salt containing an organic material comprises a halide of alkaline metal and/or halide of alkaline earth metal.

10. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the inorganic salt in said inorganic salt containing an organic material is sodium chloride.

11. The process for the purification of an inorganic salt containing an organic material according to Claim 10, wherein said sodium chloride is one containing ethylenamine produced by a dichloroethane process for the preparation of ethylenamine which comprises reacting dichloroethane with ammonia to produce an ethylenamine compound.

12. The process for the purification of an inorganic salt containing an organic material according to Claim 10, wherein said sodium chloride is one produced as a by-product by a process for the production of epichlorohydrin.

13. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein the powder of inorganic salt containing an organic material which has been granulated and heat-treated is dissolved in water, and then filtered.

14. A purified salt for electrolysis of sodium chloride obtained by a process for the purification of an inorganic salt containing an organic material according to Claim 1 wherein the inorganic salt in said inorganic salt containing an organic material is sodium chloride.

15. The process for the purification of an inorganic salt containing an organic material according to Claim 1, wherein said chemical treatment involves the mixing of said inorganic salt containing an organic material with an alkali and/or oxidizing agent.

16. The process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein said alkali comprises a hydroxide of alkaline metal and/or hydroxide of alkaline earth metal.

17. The process for the purification of an inorganic salt containing an organic material according to Claim 16, wherein said alkali is at least one selected from the group consisting of lithium hydroxide, sodium hydroxide and potassium hydroxide.

18. The process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein the heat treatment temperature is not lower than 200°C.

19. The process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein the heat treatment temperature is not higher than the melting point of the inorganic salt in said inorganic salt containing an organic material.

20. The process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein the heat treatment involves the use of a rotary kiln.

21. The process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein the heat treatment is effected on a fluidized bed.

22. The process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein the heat treatment is effected on a moving bed (shaft kiln).

23. The process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein said powder of inorganic salt containing an organic material is mixed with an alkali and/or oxidizing agent, and then granulated.

24. The process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein the inorganic salt in said inorganic salt containing an organic material comprises a halide of alkaline metal and/or halide of alkaline earth metal.

25. The process for the purification of an inorganic salt containing an organic material according to Claim 15,

wherein the inorganic salt in said inorganic salt containing an organic material is sodium chloride.

26. The process for the purification of an inorganic salt containing an organic material according to Claim 25, wherein said sodium chloride is one containing ethylenamine produced by a dichloroethane process for the preparation of ethylenamine which comprises reacting dichloroethane with ammonia to produce an ethylenamine compound.

27. The process for the purification of an inorganic salt containing an organic material according to Claim 25, wherein said sodium chloride is one produced as a by-product by a process for the production of epichlorohydrin.

28. The process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein the powder of inorganic salt containing an organic material which has been heat-treated is dissolved in water, and then filtered.

29. A purified salt for electrolysis of sodium chloride obtained by a process for the purification of an inorganic salt containing an organic material according to Claim 15, wherein the inorganic salt in said inorganic salt containing an organic material is sodium chloride.